

*Concl'd*

a monitor light branching coupler 67 via the WDM coupler 65 and the polarization-dependent isolator 66. The monitor light branching coupler 67 outputs a portion of the amplified signal light beams to a control circuit 68, and the remaining amplified signal light beams as an output laser beam to signal light outputting fiber 70. The control circuit 68 performs feedback control of a light-emitting state, such as, an optical intensity, of each of the semiconductor light-emitting elements 180a through 180d based on the portion of the amplified signal light beams input to the control circuit 68 such that the resulting Raman amplification gain is flat over wavelength.

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Page 21, paragraph 0074, please delete the paragraph and replace it with the following paragraph:

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Polarization-multiplexing couplers 61a and 61b output polarization-multiplexed laser beams having different wavelengths to a WDM coupler 62. The WDM coupler 62 multiplexes the laser beams outputted from the polarization multiplexing couplers 61a and 61b, and outputs the multiplexed light beams as a pumping light beam to amplifying fiber 64 via WDM coupler 65. Thus, as seen in Figure 13, a Raman amplifier using a laser module in accordance with the present invention does not include an external isolator such as isolator 60 of Figure 17. Therefore, the loss associated with the external isolator, as discussed above, is eliminated from the Raman amplifier system of Figure 13. Signal light beams to be amplified are input to amplifying fiber 64 from signal light inputting fiber 69 via polarization-dependent isolator 63. The amplified signal light beams are Raman-amplified by being multiplexed with the pumping light beams and input to a monitor light branching coupler 67 via the WDM coupler 65 and the polarization-dependent isolator 66. The monitor light branching coupler 67 outputs a portion of the amplified signal light beams to a control circuit 68, and the